

Original document

DOUBLE MOLTEN HIGH MANGANESE STAINLESS STEEL

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Applicant: ARMCO ADVANCED MATERIALS

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Abstract not available for JP1225754

Abstract of corresponding document: **EP0327053**

A duplex stainless steel which is economical and balanced to provide a good combination of properties in the as-cast condition and resists thermal transformation to martensite due to the high levels of manganese. This steel is particularly suited for thin-walled castings for automotive underbody components. It is 30% to 60% ferrite and balance austenite and, in weight percent, consists essentially of: C - up to 0.07, Cr - 17 to 21.5, Ni - greater than 1 to less than 4, Mn - greater than 4 to 8, N - 0.05 to 0.15, Si - less than 2, Mo - less than 2, Cu - less than 1.5 and balance essentially Fe. v

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